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from Tkinter import *
from PIL import ImageTk, Image
import os
import MySQLdb

global items
items = ['iphone X', 'Casio Watch', 'Sony Headpone', 'Laptop Bag']

def mainPage():
    global appm
    appm = Tk()
    appm.title("Shopping App")
    w=850
    h=550
    ws = appm.winfo_screenwidth()
    hs = appm.winfo_screenheight()
    # calculate position x, y
    x = (ws/2) - (w/2)
    y = (hs/2) - (h/2)
    appm.geometry("%dx%d+%d+%d" % (w, h, x, y))
    # appm.geometry('850x550')
    # appm['bg'] = '#97e5db'

    welcomeLabel = Label(appm, text='Welcome To \n Shopping Cart App', font='Times 36 bold')
    welcomeLabel.pack(pady=(80,50))

    loginButton = Button(appm, text="Login", command=login, width=14, font="Times 16")
    loginButton.pack(pady=10)

    registerButton = Button(appm, text="Register", command=register, width=14, font="Times 16")
    registerButton.pack(pady=10)

    appm.mainloop()

def login():
    try:
        appr.destroy()
    except:
        appm.destroy()

    global appl
    appl = Tk()
    w=850
    h=550
    ws = appl.winfo_screenwidth()
    hs = appl.winfo_screenheight()
    # calculate position x, y
    x = (ws/2) - (w/2)
    y = (hs/2) - (h/2)
    appl.geometry("%dx%d+%d+%d" % (w, h, x, y))
    # appl.geometry('850x550')
    appl.title("Login")

    loginPg = Label(appl, text="Login Page", font="Times 32 bold")
    loginPg.pack(pady=(100,60))

    info = Frame(height=150, width=300)

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info.pack()

usernameLabel = Label(info, text="Username : ", font="Times 15")
usernameLabel.grid(column=0, row=0)

passwordLabel = Label(info, text="Password : ", font="Times 15")
passwordLabel.grid(column=0, row=1)

usernameEntry = Entry(info)
usernameEntry.grid(column=1, row=0)

passwordEntry = Entry(info, show='*')
passwordEntry.grid(column=1, row=1)

loginButton = Button(appl, text="Login", command=lambda: [loginUser(usernameEntry.get(),
passwordEntry.get())], width=10, font="Times 14")
loginButton.pack(pady=20)

appl.mainloop()

def loginUser(eusername, epassword):
    print eusername, epassword
    db = MySQLdb.connect("localhost", "root", "jayesh@@", "test")
    cursor = db.cursor()
    sql = "select * from user where username = '%s'"%(eusername)
    # try:
    print 'Successfully logged in'
    cursor.execute(sql)
    val = cursor.fetchall()
    db.commit()
    try:
        if(str(val[0][2])==str(eusername)):
            if(str(val[0][3])==str(epassword)):
                app = Tk()
                w=300
                h=200
                ws = app.winfo_screenwidth()
                hs = app.winfo_screenheight()
                # calculate position x, y
                x = (ws/2) - (w/2)
                y = (hs/2) - (h/2)
                app.geometry('%dx%d+%d+%d' % (w, h, x, y))
                # app.geometry('300x200')
                app.title("User Logged in")

                tlabel = Label(app, text="Logged in Successfully", font="Times 16 bold")
                tlabel.pack(pady=10)

                tButton = Button(app, text="OK", command=lambda:[app.destroy(),
shoppingCart(eusername, epassword)], width=10, font="Times 12")
                tButton.pack(pady=10)

                app.mainloop()
                # shoppingCart(eusername, epassword)
                print 'Successfully logged in'
            else:
                app = Tk()

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w=300
h=180
ws = app.winfo_screenwidth()
hs = app.winfo_screenheight()
# calculate position x, y
x = (ws/2) - (w/2)
y = (hs/2) - (h/2)
app.geometry('%dx%d+%d+%d' % (w, h, x, y))
# app.geometry('300x300')
app.title("Wrong Password")

tlabel = Label(app, text="Wrong Password", font="Times 16 bold")
tlabel.pack(pady=10)

tButton = Button(app, text="Try Again", command=lambda:[app.destroy()], width=10,
font="Times 12")
tButton.pack(pady=10)

app.mainloop()
print 'wrong password'
else:
    app = Tk()
    w=300
    h=300
    ws = app.winfo_screenwidth()
    hs = app.winfo_screenheight()
    # calculate position x, y
    x = (ws/2) - (w/2)
    y = (hs/2) - (h/2)
    app.geometry('%dx%d+%d+%d' % (w, h, x, y))
    # app.geometry('300x300')
    app.title("Error")

    tlabel = Label(app, text="Something Went Wrong \n Check Login Details \n or \n Register",
font="Times 16 bold")
    tlabel.pack(pady=10)

    tButton = Button(app, text="Login", command=lambda:[app.destroy()], width=10,
font="Times 12")
    tButton.pack(pady=10)

    t2Button = Button(app, text="Register", command=lambda:[app.destroy(), register()],
width=10, font="Times 12")
    t2Button.pack(pady=10)

    app.mainloop()
    print 'something went wrong'

except:
    app = Tk()
    w=300
    h=300
    ws = app.winfo_screenwidth()
    hs = app.winfo_screenheight()
    # calculate position x, y
    x = (ws/2) - (w/2)
    y = (hs/2) - (h/2)

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app.geometry('%dx%d+%d+%d' % (w, h, x, y))
# app.geometry('300x300')
app.title("yooo")

tlabel = Label(app, text="Something Went Wrong \n Check Login Details \n or \n Register",
font="Times 16 bold")
tlabel.pack(pady=10)

tButton = Button(app, text="Login", command=lambda:[app.destroy()], width=10, font="Times
12")
tButton.pack(pady=10)

t2Button = Button(app, text="Register", command=lambda:[app.destroy(), register()],
width=10, font="Times 12")
t2Button.pack(pady=10)

app.mainloop()
print 'Something Went Wrong'

def register():
    try:
        appm.destroy()
    except:
        appl.destroy()

global appr
appr = Tk()
w=850
h=550
ws = appr.winfo_screenwidth()
hs = appr.winfo_screenheight()
# calculate position x, y
x = (ws/2) - (w/2)
y = (hs/2) - (h/2)
appr.geometry('%dx%d+%d+%d' % (w, h, x, y))
# appr.geometry('850x550')
appr.title("Register")

registerPg = Label(text="Register Page", font="Times 32 bold")
registerPg.pack(pady=(100,60))

info = Frame(height=150, width=300)
info.pack()

fullnameLabel = Label(info, text="Full Name : ", font="Times 15")
fullnameLabel.grid(column=0, row=0)

emailLabel = Label(info, text="Email : ", font="Times 15")
emailLabel.grid(column=0, row=1)

usernameLabel = Label(info, text="User name : ", font="Times 15")
usernameLabel.grid(column=0, row=2)

passwordLabel = Label(info, text="Password : ", font="Times 15")
passwordLabel.grid(column=0, row=3)

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fullnameEntry = Entry(info)
fullnameEntry.grid(column=1, row=0)

emailEntry = Entry(info)
emailEntry.grid(column=1, row=1)

usernameEntry = Entry(info)
usernameEntry.grid(column=1, row=2)

passwordEntry = Entry(info, show='*')
passwordEntry.grid(column=1, row=3)

registerButton = Button(appr, text="Register", command=lambda:[addUser(fullnameEntry.get(),
emailEntry.get(), usernameEntry.get(), passwordEntry.get())], width=10, font="Times 14")
registerButton.pack(pady=20)

appr.mainloop()

def addUser(name, email, username, password):

    print name, email, username, password
    db = MySQLdb.connect("localhost","root","jayesh@@","test")
    cursor = db.cursor()
    qur = "select count(*) from user where username = '%s'"%(username)
    cursor.execute(qur)
    val = cursor.fetchone()[0]
    if(val==0):
        try:
            sql = "insert into user(name, email, username, password) values ('%s','%s','%s','%s')"%
(name, email, username, password)
            print 'Successfully registered'
            cursor.execute(sql)
            db.commit()

            app = Tk()
            w=300
            h=200
            ws = app.winfo_screenwidth()
            hs = app.winfo_screenheight()
            # calculate position x, y
            x = (ws/2) - (w/2)
            y = (hs/2) - (h/2)
            app.geometry('%dx%d+%d+%d' % (w, h, x, y))
            # app.geometry('300x200')
            app.title("User Added")

            tlabel = Label(app, text="User Added Successfully \n Try To Login ", font="Times 16 bold")
            tlabel.pack(pady=10)

            tButton = Button(app, text="Login", command=lambda:[app.destroy(), login()], width=10,
font="Times 12")
            tButton.pack(pady=10)

            app.mainloop()

        except:

```

```

app = Tk()
w=300
h=300
ws = app.winfo_screenwidth()
hs = app.winfo_screenheight()
# calculate position x, y
x = (ws/2) - (w/2)
y = (hs/2) - (h/2)
app.geometry('%dx%d+%d+%d' % (w, h, x, y))
# app.geometry('300x300')
app.title("Error")

elabel = Label(app, text="Something Went Wrong \n Try Again \n ", font="Times 16 bold")
elabel.pack(pady=10)

eButton = Button(app, text="Try Again", command=lambda:[app.destroy()], width=10,
font="Times 12")
eButton.pack(pady=10)

app.mainloop()

else:
    app = Tk()
    w=300
    h=200
    ws = app.winfo_screenwidth()
    hs = app.winfo_screenheight()
    # calculate position x, y
    x = (ws/2) - (w/2)
    y = (hs/2) - (h/2)
    app.geometry('%dx%d+%d+%d' % (w, h, x, y))
    # app.geometry('300x300')
    app.title("Error")

    elabel = Label(app, text="Username Already Exist \n Try Again With \n Unique Username",
font="Times 16 bold")
    elabel.pack(pady=10)

    eButton = Button(app, text="Try Again", command=lambda:[app.destroy()], width=10,
font="Times 10")
    eButton.pack(pady=10)

    app.mainloop()

def shoppingCart(username, password):
    print username, password
    try:
        appl.destroy()
    except:
        appc.destroy()

global apps
apps = Tk()
w=700
h=620
ws = apps.winfo_screenwidth()

```

```

hs = apps.winfo_screenheight()
# calculate position x, y
x = (ws/2) - (w/2)
y = (hs/2) - (h/2)
apps.geometry('%dx%d+%d+%d' % (w, h, x, y))
apps.geometry('700x610')
apps.title("Shoping Cart App")

# info1 = Frame(apps, height=150, width=500)
# info1.pack()

# msg = Label(info1, text='Press Add To Cart Button to add product to your cart', font='Times
12')
# msg.pack()

title = Label(apps, text='All Products', font='Times 30 bold')
title.grid(padx=(100,40), pady=(10,0), column=1, row=0)

img1 = ImageTk.PhotoImage(Image.open("iphonex.jpg"))
panel1 = Label(apps, image = img1)
panel1.grid(padx=(20,0), pady=10, column=0, row=1, sticky='w')

name1 = Label(apps, text='Iphone X', font='Times 16')
name1.grid(padx=30, column=1, row=1, sticky='w')

cartButton = Button(apps, text='Add To Cart', command=lambda:[cartAdd(username, password,
items[0])],width=10, font="Times 14")
cartButton.grid(column=2, row=1)

img2 = ImageTk.PhotoImage(Image.open("watch.jpg"))
panel2 = Label(apps, image = img2)
panel2.grid(padx=(20,0), pady=10, column=0, row=2, sticky='w')

name2 = Label(apps, text='Casio Watch', font='Times 16')
name2.grid(padx=30, column=1, row=2, sticky='w')

cartButton = Button(apps, text='Add To Cart', command=lambda:[cartAdd(username, password,
items[1])],width=10, font="Times 14")
cartButton.grid(column=2, row=2)

img3 = ImageTk.PhotoImage(Image.open("headphone.jpg"))
panel3 = Label(apps, image = img3)
panel3.grid(padx=(20,0), pady=10, column=0, row=3, sticky='w')

name3 = Label(apps, text='Sony Headphone', font='Times 16')
name3.grid(padx=30, column=1, row=3, sticky='w')

cartButton = Button(apps, text='Add To Cart', command=lambda:[cartAdd(username, password,
items[2])],width=10, font="Times 14")
cartButton.grid(column=2, row=3)

img4 = ImageTk.PhotoImage(Image.open("bag.jpg"))
panel4 = Label(apps, image = img4)
panel4.grid(padx=(20,0), pady=10, column=0, row=4, sticky='w')

name4 = Label(apps, text='Puma Laptop Bag', font='Times 16')
name4.grid(padx=30, column=1, row=4, sticky='w')

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```
cartButton = Button(apps, text='Add To Cart', command=lambda:[cartAdd(username, password,
items[3])],width=10, font="Times 14")
cartButton.grid(column=2, row=4)
```

```
viewButton = Button(apps, text='Show Cart',command=lambda: [cartDetails(username,
password)], fg='green',width=10, font="Times 14")
viewButton.grid(padx=(50,0), column=1, row=5)
```

```
apps.mainloop()
```

```
def cartAdd(username, password, item):
    print username, password, item
    db = MySQLdb.connect("localhost","root","jayesh@@","test")
    cursor = db.cursor()
    sql = "insert into cart(username, password, cart) values ('%s','%s','%s')"%(username, password,
item)
```

```
try:
```

```
    print 'Successfully inserted item'
    cursor.execute(sql)
    db.commit()
```

```
    app = Tk()
    w=300
    h=200
    ws = app.winfo_screenwidth()
    hs = app.winfo_screenheight()
    # calculate position x, y
    x = (ws/2) - (w/2)
    y = (hs/2) - (h/2)
    app.geometry('%dx%d+%d+%d' % (w, h, x, y))
    # app.geometry('300x200')
    app.title("Product Added")
```

```
    tlabel = Label(app, text="Product Added Successfully", font="Times 16 bold")
    tlabel.pack(pady=10)
```

```
    tButton = Button(app, text="OK", command=lambda:[app.destroy()], width=10, font="Times
12")
```

```
    tButton.pack(pady=10)
```

```
    app.mainloop()
```

```
except:
```

```
    app = Tk()
    w=300
    h=200
    ws = app.winfo_screenwidth()
    hs = app.winfo_screenheight()
    # calculate position x, y
    x = (ws/2) - (w/2)
    y = (hs/2) - (h/2)
    app.geometry('%dx%d+%d+%d' % (w, h, x, y))
    # app.geometry('300x300')
    app.title("Error")
```



```

elabel = Label(app, text="Something Went Wrong \n Try Again", font="Times 16 bold")
elabel.pack(pady=10)

eButton = Button(app, text="Try Again", command=lambda:[app.destroy()], width=10,
font="Times 12")
eButton.pack(pady=10)

app.mainloop()

```

```

def cartDetails(username, password):
    apps.destroy()

```

```

global appc
appc = Tk()
w=850
h=550
ws = appc.winfo_screenwidth()
hs = appc.winfo_screenheight()
# calculate position x, y
x = (ws/2) - (w/2)
y = (hs/2) - (h/2)
appc.geometry('%dx%d+%d+%d' % (w, h, x, y))
# appc.geometry('850x550')
appc.title("Shoping Cart App")

# print username, password, item
db = MySQLdb.connect("localhost","root","jayesh@@","test")
cursor = db.cursor()

```

```

try:
    print 'details'
    sql = "select * from user where username='%s'"%(username)
    cursor.execute(sql)
    details = cursor.fetchall()
    for i in details:
        print i
        elabel = Label(appc, text="User Details", font="Times 28 bold")
        elabel.pack(pady=(10,20))
        elabel = Label(appc, text="Name - %s"%(str(details[0][0])), font="Times 16")
        elabel.pack(pady=3)
        elabel = Label(appc, text="Email - %s"%(str(details[0][1])), font="Times 16")
        elabel.pack(pady=3)
        elabel = Label(appc, text="Username - %s"%(str(details[0][2])), font="Times 16")
        elabel.pack(pady=(3,40))

```

```

elabel = Label(appc, text="Cart Items", font="Times 28 bold")
elabel.pack(pady=(0,20))

```

```

sql = "select cart from cart where username='%s'"%(username)
cursor.execute(sql)
aitem = cursor.fetchall()

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for row in cursor:

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        elabel = Label(appc, text='%s'%(row), font="Times 16")
        elabel.pack(pady=5)

    db.commit()

    backButton = Button(appc, text='Back',command=lambda: [shoppingCart(username,
password)], width=10, font="Times 14")
    backButton.pack(pady=(25,10))

except:
    app = Tk()
    w=300
    h=200
    ws = app.winfo_screenwidth()
    hs = app.winfo_screenheight()
    # calculate position x, y
    x = (ws/2) - (w/2)
    y = (hs/2) - (h/2)
    app.geometry('%dx%d+%d+%d' % (w, h, x, y))
    # app.geometry('300x300')
    app.title("Error")

    elabel = Label(app, text="Something Went Wrong \n Try Again", font="Times 16 bold")
    elabel.pack(pady=10)

    eButton = Button(app, text="Try Again", command=lambda:[app.destroy()], width=10,
font="Times 12")
    eButton.pack(pady=10)

    app.mainloop()

appc.mainloop()

if __name__ == '__main__':
    mainPage()

```